

Abstract

Type Description Language (TDL) is provided which is an extensible markup language (XML) based language that provides an interface description that makes the mapping between an interface specification and its wire format deterministic and simple. TDL provides seamless bridging between XML and object based views in a distributed environment. TDL leverages the duality between the type-based (objects) and XML-based views and may be used for exchanging metadata between various kinds of type (object) systems, such as Component Object Model (COM), Common Object Request Broker Architecture (CORBA), Common Language Runtime (CLR), etc. In this regard, TDL proposes a new syntax for representing the behavior aspect of a type and illustrates that there is a one to one mapping from an abstract type to a schema type and vice-versa.